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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/820,520	03/28/2001	Masato Yonezawa	07977/270001/US4820	5433	
7	590 08/07/2002				
SCOTT C. HARRIS			EXAMINER		
Fish & Richardson P.C. 4350 La Jolla Village Drive, Suite 500 San Diego, CA 92122			ALEJANDRO M	JANDRO MULERO, LUZ L	
			ART UNIT	PAPER NUMBER	
			1763	ς	
			DATE MAILED: 08/07/2002		

Please find below and/or attached an Office communication concerning this application or proceeding.

		MS				
	Application No.	Applicant(s)				
Office Action Summany	09/820,520	YONEZAWA ET AL.				
Offic Action Summary	Examiner	Art Unit				
71 AAU INO DATE - (1) .	Luz L. Alejandro	1763				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status						
1) Responsive to communication(s) filed on 28 J	une 2002 .					
2a) This action is FINAL . 2b) ⊠ Thi	s action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims						
4) Claim(s) 1-4 and 6-8 is/are pending in the appl	lication.					
4a) Of the above claim(s) is/are withdraw	n from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-4 and 6-8</u> is/are rejected.						
7) Claim(s) is/are objected to.	7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). 11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.						
If approved, corrected drawings are required in reply to this Office action.						
12) The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
13)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a)⊠ All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).						
a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.						
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2.	5) Notice of Informal F	(PTO-413) Paper No(s) Patent Application (PTO-152)				

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of group I in Paper No. 4 is acknowledged.

Drawings

Figures 1A-1C, 2A-2B, and 3 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Specification

The disclosure is objected to because of the following informalities: on page 10, lines 11, 13, and 14, a number is given for a diameter but no units are given.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-4 and 6-8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

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In claim 1, lines 11-12, it is unclear what applicant means by "an electrode side surface of the substrate". Clarification is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1-4 and 6-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Admitted prior art in view of Williams, U.S. Patent 5,614,026

Admitted prior art shows the invention substantially as claimed including a vacuum chamber; an introducing means 206 for introducing a gas into the chamber; an exhaust means for exhausting the gas from the vacuum chamber to an outside; a first

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mesh-like showerhead plate electrode 203,204 for supplying an electric energy inside the chamber; a second electrode 202 opposing the first electrode for supplying the electric energy inside the vacuum chamber, a supporting means for supporting a substrate 201 opposing the first electrode and a transporting means for transporting a flexible substrate including at least one selected from a winding and an unwinding roll (see applicant's description of the roll to roll method at paragraph bridging pages 1 and 2), wherein an introducing port is located adjacent to an electrode side surface of the substrate, and wherein a plurality of openings are located on a surface of the first electrode opposing the substrate (see Fig. 2A and page 3, line 16 to page 4, line 3 of specification).

Admitted prior art fails to expressly disclose wherein the gas is exhausted from the plurality of openings and where the openings are circular. Williams discloses a showerhead whereby concentric openings are contained within the showerhead for exhausting the gas (see abstract and Fig. 3(a)). In view of this disclosure, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the apparatus of the Admitted prior art so as to exhaust gas from the openings in the showerhead as suggested by Williams because this results in greater uniformity of the gas at the substrate surface (see col. 2-lines 13-16). With respect to the shape of the openings for exhausting the gas, the particular shape of the openings is a matter of choice which a person of ordinary skill in the art would have found obvious absent persuasive evidence that the particular configuration of the claimed openings are significant.

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Conclusion

The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure. U.S. Patent 5,900,103 discloses a means in which to remove

gas from an upper electrode (see fig. 37).

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Luz L. Alejandro whose telephone number is 305-4545.

The examiner can normally be reached on Monday-Thursday from 7:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Gregory Mills, can be reached on 308-1633. The fax phone numbers for the

organization where this application or proceeding is assigned are 872-9310 for regular

communications and 872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is 308-0661.

Patent Examiner

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August 5, 2002